

IN THE CLAIMS:

1. (CURRENTLY AMENDED) A cast or forged suspension trailing arm for suspending a heavy vehicle chassis from a beam-type axle, the suspension trailing arm comprising:
an integral axle locating ~~feature~~formation to fully encircle the beam-type axle.
2. (CANCELLED)
3. (CURRENTLY AMENDED) ~~A~~The trailing arm according to Claim 1 ~~or 2~~ wherein ~~the~~a thickness of the suspension trailing arm above the integral axle locating feature~~is~~formation is less than 50 mm, ~~preferably less than 30 mm, even more preferably less than 20 mm.~~
4. (CURRENTLY AMENDED) ~~A~~The trailing arm according to ~~any preceding~~Claim 1 further including a chassis mounting formation, wherein the integral axle locating feature~~formation~~ is integral with ~~a~~the chassis mounting feature~~formation~~ to facilitate ~~the mounting of the~~suspension trailing arm to a chassis component of a vehicle.
5. (CURRENTLY AMENDED) ~~A~~The trailing arm according to Claim 1, ~~Claim 2 or Claim 3~~ wherein the integral axle locating feature~~formation~~ is formed from a first section and a second section~~ssection~~.
6. (CURRENTLY AMENDED) ~~A~~The trailing arm according to Claim 5 wherein the first section ~~comprises~~includes a portion of the integral axle locating feature~~formation~~ and a chassis mounting feature~~formation~~ ~~to facilitate the that facilitates mounting of the~~suspension trailing arm to ~~the~~a chassis component.
7. (CURRENTLY AMENDED) ~~A~~The trailing arm according to Claim 5 ~~or Claim 6~~ wherein the second section ~~comprises~~includes a portion of the integral axle locating feature~~formation~~ and a bracket for mounting a spring.

8. (CURRENTLY AMENDED) A The trailing arm according to ~~any one of Claims 4 to 7~~ Claim 1 further including a chassis mounting formation, wherein a section of the suspension trailing arm intermediate between the chassis mounting feature ~~formation~~ and the integral axle locating feature ~~has an~~ formation has one of a substantially I-shaped profile and a substantially C-section shaped profile ~~comprising~~ and includes a first flange and a second ~~flanges~~ flange spaced by a web.

9. (CURRENTLY AMENDED) A The trailing arm according to ~~Claim 7 or Claim 8~~ wherein the integral axle locating feature ~~comprises~~ formation includes an opening ~~therein proximate~~ near the web and inboard of the web of the I or C section and inboard thereof.

10. (CURRENTLY AMENDED) A The trailing arm according to ~~any one of Claims 7 to 10~~ Claim 8 wherein ~~the~~ a bending strength of the ~~I or C section~~ one of the substantially I-shaped profile and the substantially C-shaped profile is greater ~~proximate~~ near the integral axle locating feature ~~formation~~ than ~~proximate~~ near the chassis mounting ~~feature~~ formation.

11. (CURRENTLY AMENDED) A The trailing arm according to ~~Claim 4~~ 10 wherein ~~the~~ at least one of a flange thickness and/or, a web thickness and/or, a flange width and/or a web depth ~~are~~ of the suspension trailing arm is different ~~proximate~~ near the integral axle locating portion ~~formation~~ with respect to the chassis mounting ~~feature~~ so as ~~formation~~ to achieve ~~the~~ a difference in the bending strength.

12. (CURRENTLY AMENDED) A The trailing arm according to ~~any preceding claim comprising~~ Claim 1 including an integral damper mounting ~~feature~~ formation for one of a suspension damper ~~or~~ and a shock absorber.

13. (CURRENTLY AMENDED) A The trailing arm according to ~~any preceding Claim 1,~~ wherein the suspension trailing arm is ~~provided with~~ includes at least one or more of a recessed portion, a concave portion, or a convex portion ~~so as~~ portion to facilitate the fitment of one of an additional suspension or component and a braking components ~~proximate~~ component near the suspension trailing arm.

14. (CURRENTLY AMENDED) A suspension assembly incorporating a beam-type axle and a cast or forged suspension trailing arm, the suspension trailing arm comprising an integral axle locating formation arranged to fully encircle the beam-type axle~~according to any preceding claim and a beam-type axle~~, wherein the suspension trailing arm is welded to the beam-type axle at the integral axle locating feature~~formation with a weld~~.

15. (CURRENTLY AMENDED) ~~A~~The suspension assembly according to Claim 14 wherein the ~~welds are positioned so as to carry~~weld carries a portion of ~~the~~a vertical load from the beam-type axle to the suspension trailing arm,~~in use~~.

16-36. (CANCELLED)

37. (NEW) A cast or forged suspension trailing arm for suspending a heavy vehicle chassis from a beam-type axle, the suspension trailing arm comprising:

a chassis mounting formation;

an axle locating formation;

a section intermediate the chassis mounting formation and the axle locating formation having a substantially C-section profile and including a first flange and a second flange spaced by a web.

38. (NEW) The trailing arm according to claim 37 wherein the axle locating formation fully encircles the beam-type axle.

39. (NEW) The trailing arm according to claim 37 including a first section and a second section joined at the axle locating formation.

40. (NEW) The trailing arm according to claim 3, wherein the thickness is less than 30 mm.

41. (NEW) The trailing arm according to claim 40, wherein the thickness is less than 20 mm.